

**REMARKS**

Claims 1-22 are pending in this application, with claims 21 and 22 being withdrawn. By this Amendment, claims 1 and 13 are amended. Support for the amendments to claims 1 and 13 may be found at least at paragraph [0083] of the specification, and in Figs. 7-11. No new matter is added by this Amendment. In view of at least the following, reconsideration and allowance are respectfully requested.

**I. Claim Objection**

The Office Action objects to claims 12 and 19 as being improper for failing to limit the subject matter of a previous claims 1 and 13, respectively. This objection is respectfully traversed.

Claims 1 and 13, as amended, do not recite that the plurality of solutions are applied using a thermal discharger or a piezo discharger. Thus, the objections to claims 12 and 19 are moot.

Accordingly, withdrawal of the objection is respectfully requested.

**II. Claim Rejections under 35 U.S.C. § 103**

The Office Action rejects claims 1-6, 8-16, and 18-20 under 35 U.S.C. § 103(a) over U.S. Patent No. 6,183,898 (Koschany) in view of either U.S. Patent No. 6,153,323 (Colbow) or U.S. Patent No. 6,753,108 (Hampden-Smith) and either U.S. Patent Application Publication No. 2003/0100824 (Warren) or U.S. Patent Application Publication No. 2003/0143444 (Liu); and rejects claims 7 and 17 under 35 U.S.C. § 103(a) over Koschany in view of either Colbow or Hampden-Smith and either Warren or Liu, and further in view of U.S. Patent No. 6,542,736 (Sompalli). These rejections are respectfully traversed.

Independent claims 1 and 13, recite, in part, a first support layer comprising carbon or glass particles that at least partially support the functional layer.

Koschany, Colbow, Hampden-Smith, Warren, Liu and Sompalli in any combination, do not teach, disclose or suggest "a first supporter layer wherein the first supporter layer comprises carbon or glass particles." Therefore, Koschany, Colbow, Hampden-Smith, Warren, Liu and Sompalli, either individually or in combination, do not teach, disclose or suggest the subject matter recited in claims 1 and 13.

Claims 2-12 and 14-20 variously depend from claims 1 and 13. Because the applied references, in any combination, fail to render the subject matter of independent claims 1 and 13 obvious, dependent claims 2-12 and 14-20 are patentable for at least the reasons that claims 1 and 13 are patentable, as well as for the additional features they recite.

Accordingly, withdrawal of the rejections is respectfully requested.

**III. Withdrawn Claims**

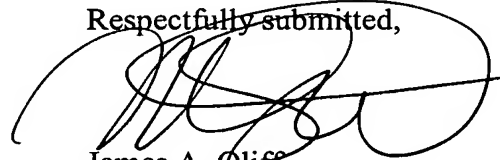
Applicants respectfully request rejoinder and allowance of the withdrawn claims.

**IV. Conclusion**

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of the claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:

Request for Continued Examination (RCE)

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